AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 (currently amended). Polymer of ethylene which has:

a μ_o/μ_2 ratio of ~~at least 13~~ 13 to 20; and

a high load melt index HLMI lower than 8 g/10 min, and

a value of tan δ at ω/ωc = 0.01 of less than 1.3, where δ is G"/G', ω is the frequency at which G" and G' are measured and ωc is the frequency at which G" = G', and G' and G" are respectively the elastic modulus and viscous modulus, both measured in Pa at 190°C.

2 (original). Polymer according to claim 1, which has a μ_o/μ_2 ratio of at least 14.

3 (previously presented). Polymer according to claim 1, having a density D (measured according to ASTM D 792 standard) of between 930 and 955 kg/m^3.

4 (currently amended). Polymer according to claim 1, having a Pent test value (determined in accordance with ASTM F 1473-94 standard) higher than 150 hours.

5 (previously presented). Polymer according to claim 1, having a polydispersity index greater than 50.

6 (currently amended). Process for the preparation of a polymer of ethylene which has a μ_0/μ_2 ratio of ~~at least 13~~ 13 to 20 and a high load melt index HLMI lower than 8 g/10 min, ~~wherein~~ comprising contacting ethylene, and optionally at least one higher alpha-olefin, ~~are contacted~~ with a catalyst comprising chromium supported on a silica-titania support.

7 (original). Process according to claim 6, which is conducted in the absence of a cocatalyst.

8 (currently amended). Process according to claim 6, wherein the polymer ~~is as defined above~~ has a value of tan δ at ω/ωc = 0.01 of less than 1.3, where δ is G"/G', ω is the frequency at which G" and G' are measured and ωc is the frequency at which G" = G', and G' and G" are respectively the elastic modulus and viscous modulus, both measured in Pa at 190°C.

9 (previously presented). Process according to claim 6, wherein the catalyst contains between 0.8 and 1.5 weight % of chromium and between 1.9 and 3.1 weight % of titanium on the support, based on the weight of the support; and the support has a specific surface area SA (measured in accordance with British Standard BS 4359/1) of between 450 and 550 m^2/g, a pore volume PV (measured by BET N_2 analysis using desorption isotherm and considering only radii of pores equal to at least 300 Angstroms)

of between 1.8 and 2.7 ml/g, and an average pore diameter between 120 and 200 Angstroms.

10 (currently amended). Pipe comprising a polymer of ethylene as defined in claim 1.

11 (currently amended). ~~Use,~~ Process for the manufacture of ~~pipes by extrusion, of~~ a pipe, comprising extruding a polymer of ethylene as defined in claim 1.